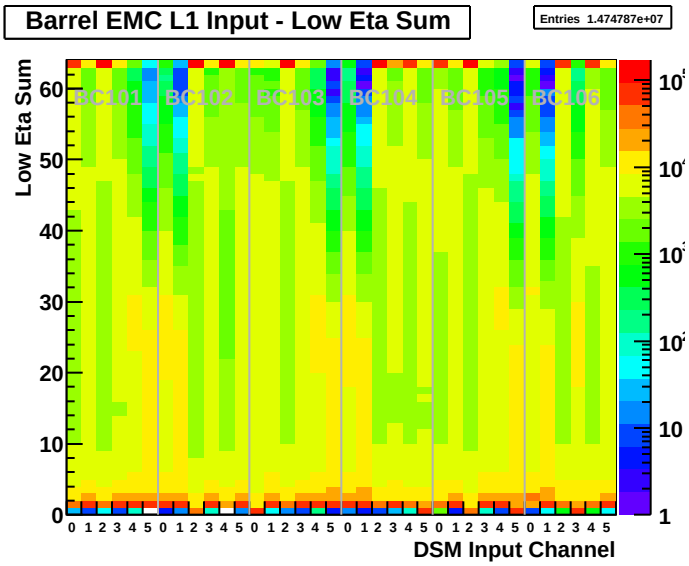
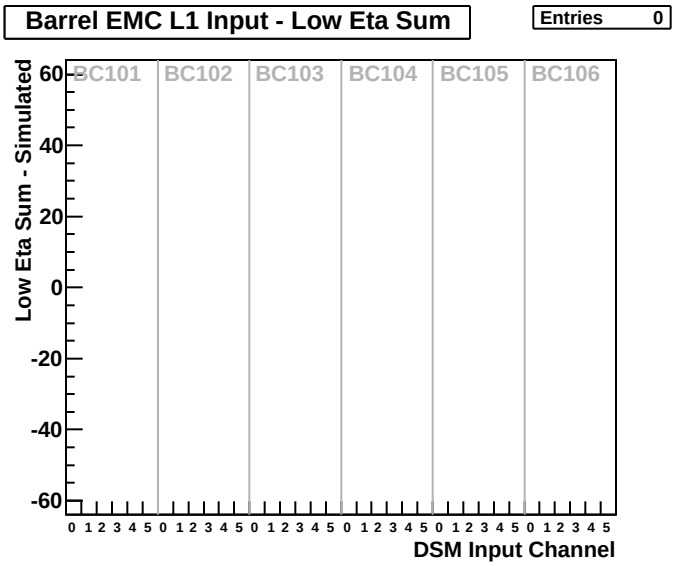
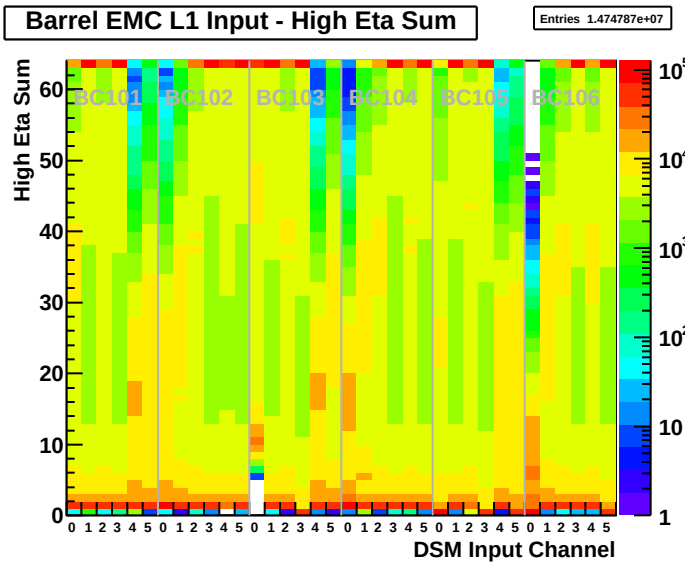
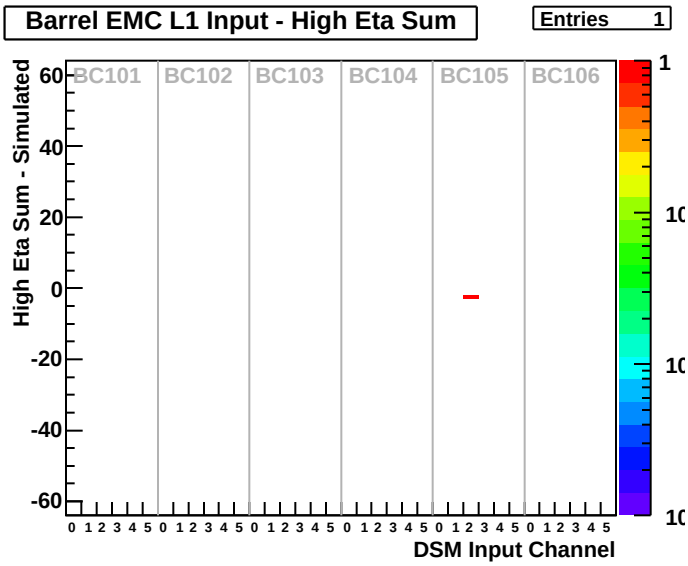
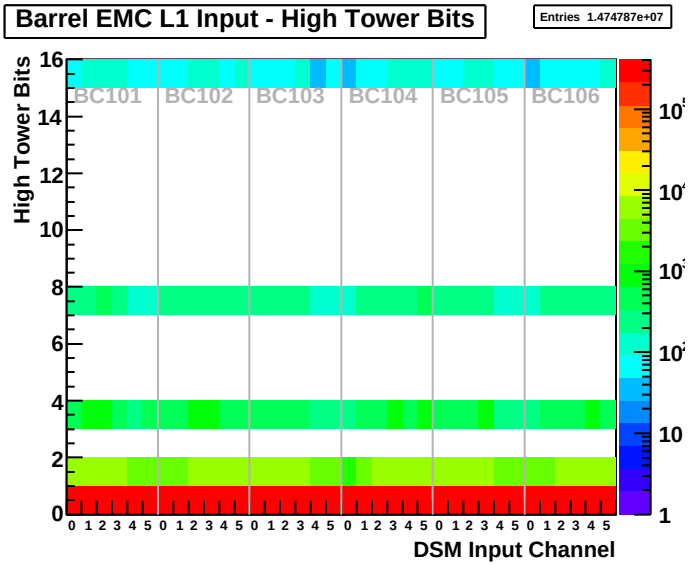
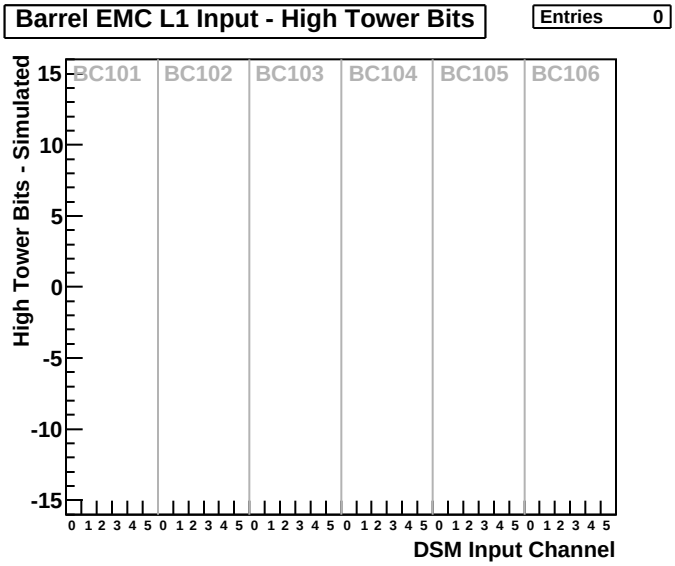

Barrel EMC L1 Input - Low Eta Sum
Entries 1.474787e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

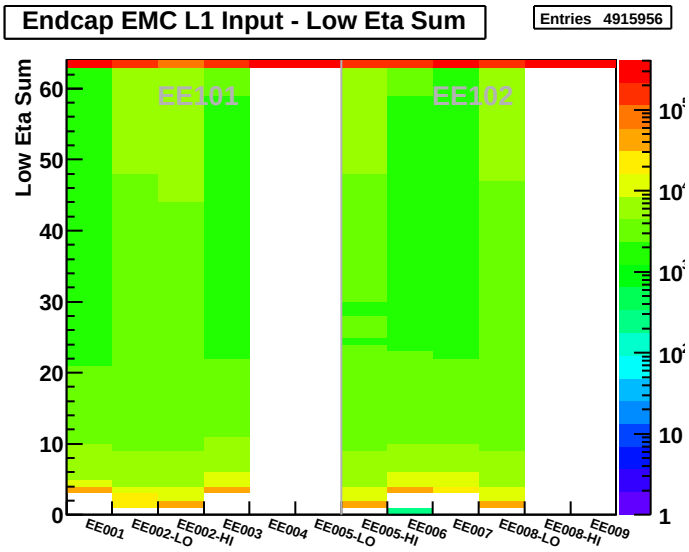

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

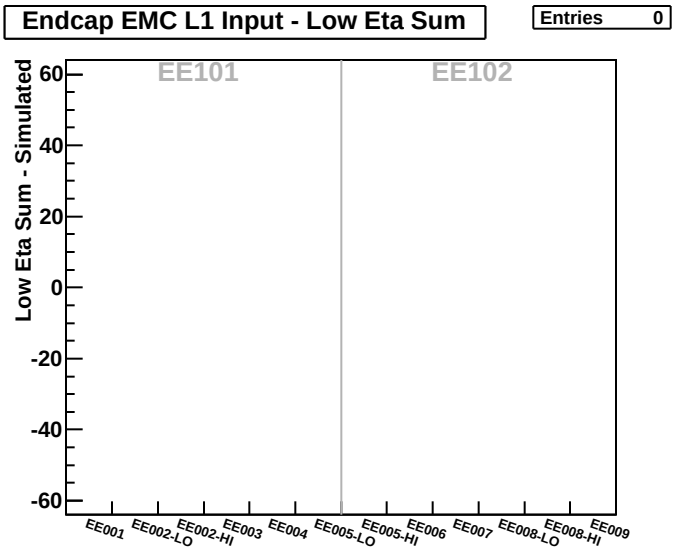

Barrel EMC L1 Input - High Eta Sum
Entries 1.474787e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

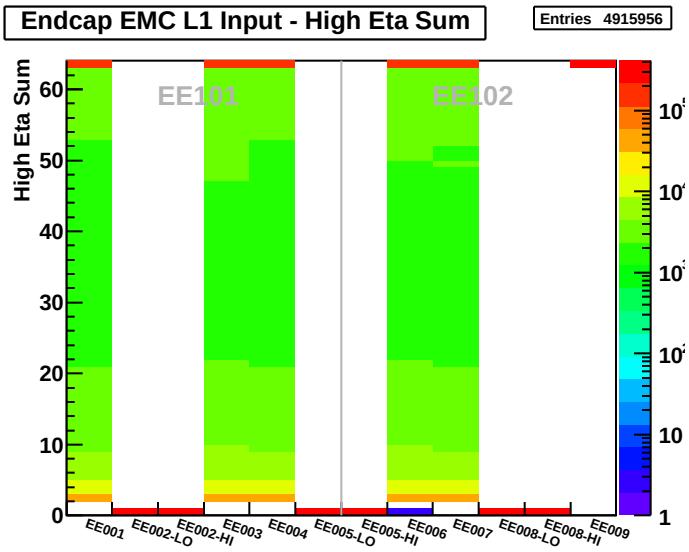

Barrel EMC L1 Input - High Eta Sum
Entries 1
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

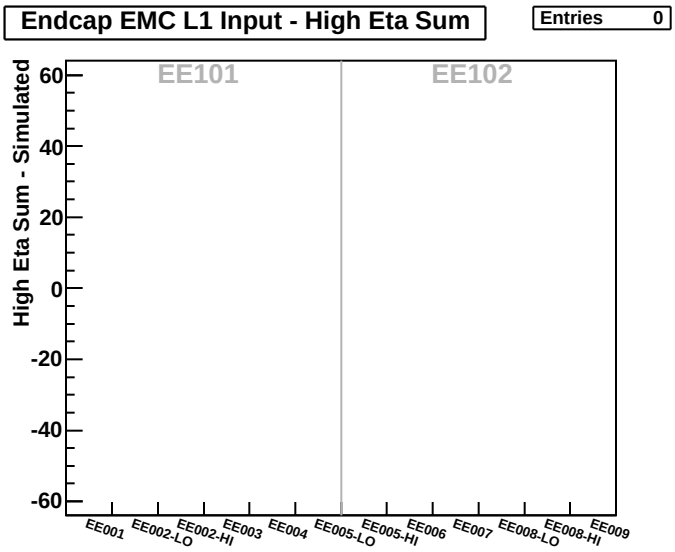

Barrel EMC L1 Input - High Tower Bits
Entries 1.474787e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

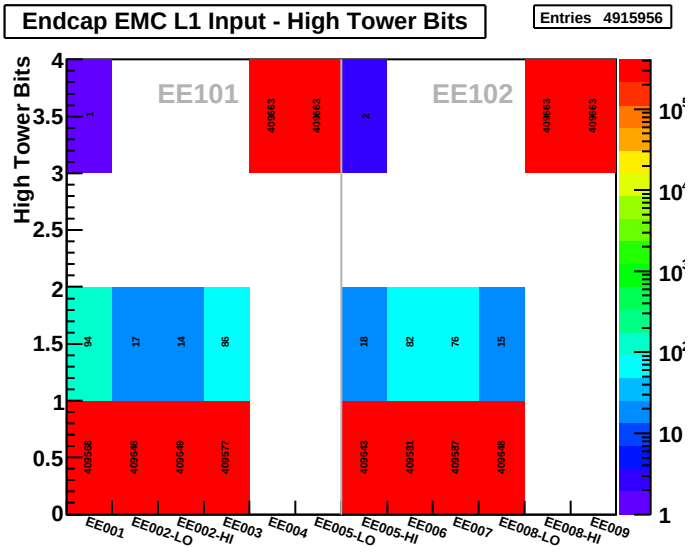

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

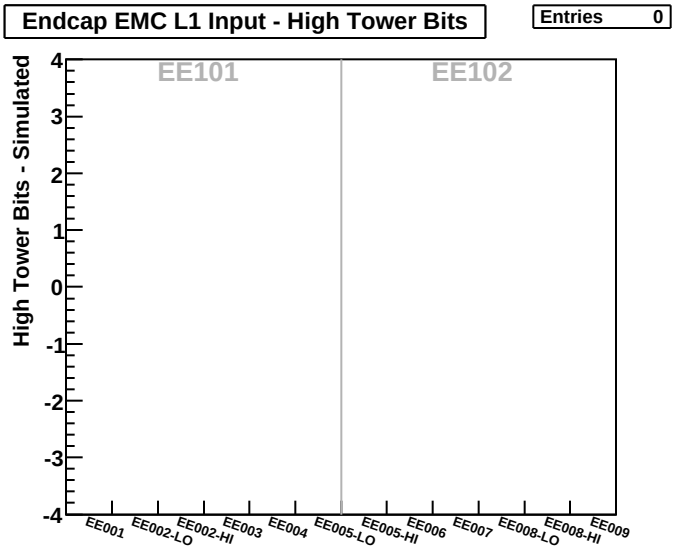

Endcap EMC L1 Input - Low Eta Sum
Entries 4915956
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

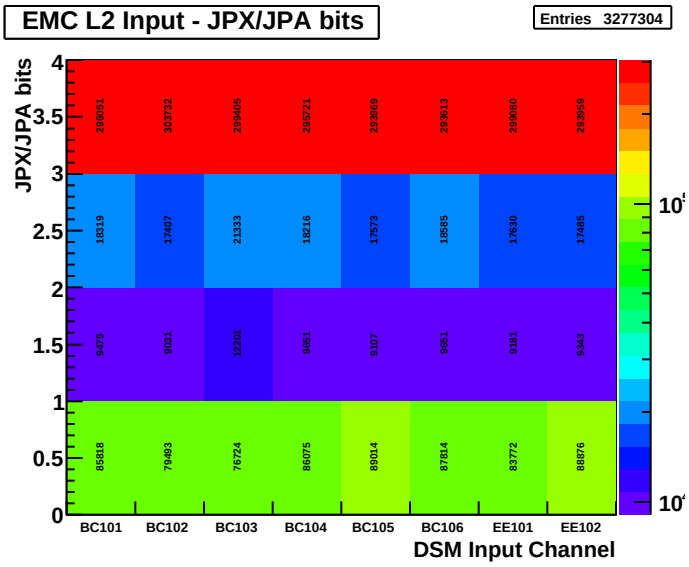

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

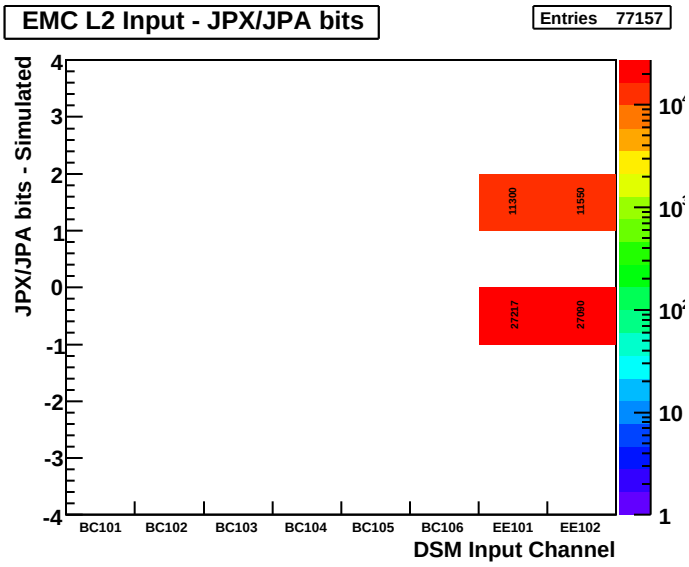

Endcap EMC L1 Input - High Eta Sum
Entries 4915956
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

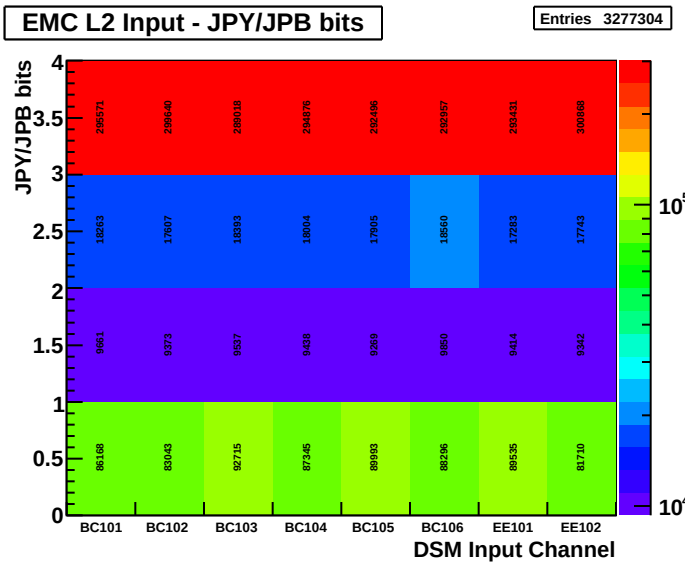

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

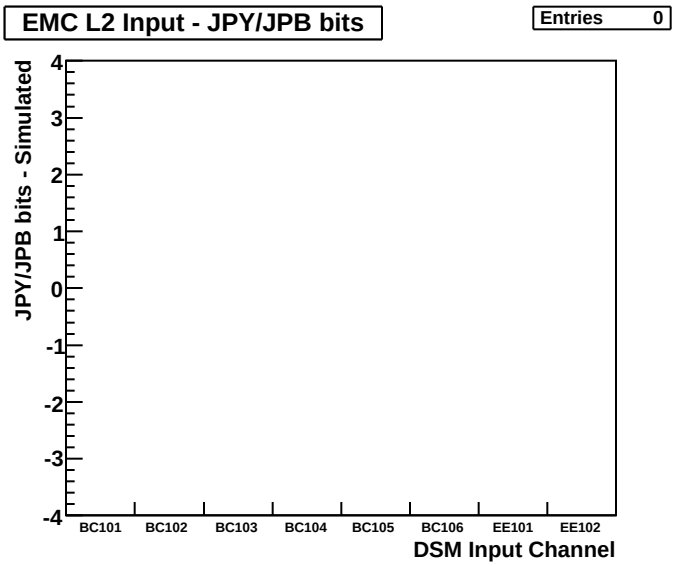

Endcap EMC L1 Input - High Tower Bits
Entries 4915956
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

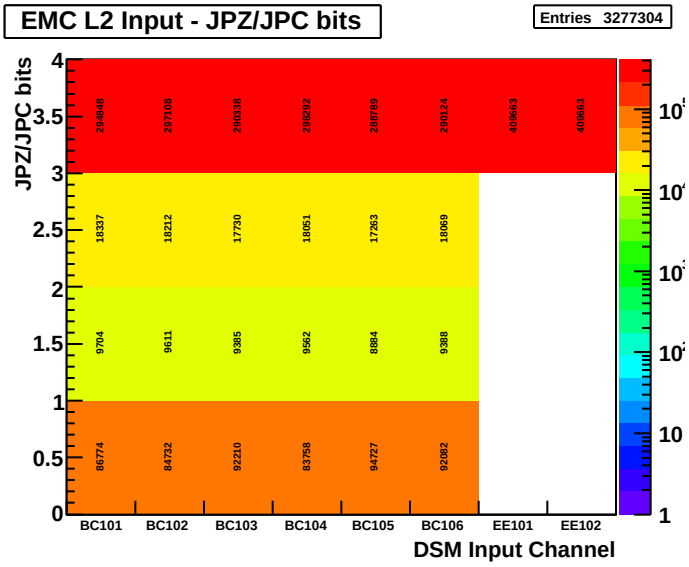

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

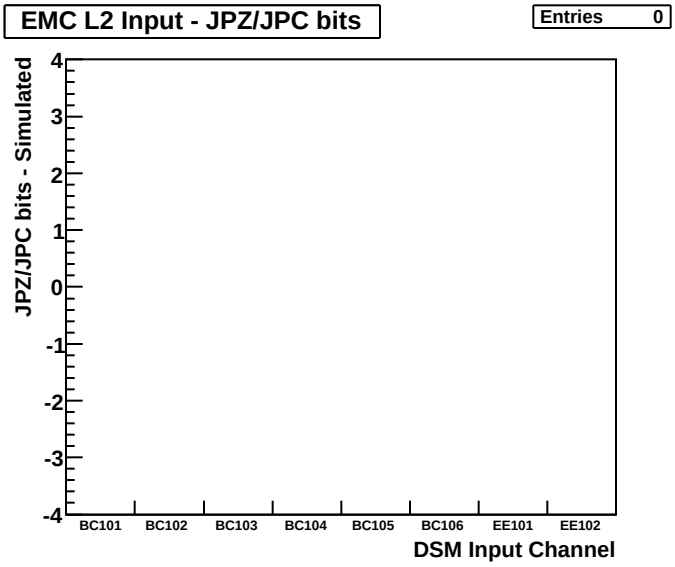

EMC L2 Input - JPX/JPA bits
Entries 3277304
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
296051 303732 299405 295721 293869 293813 299080 293959
18319 17407 21333 18216 17573 18585 17630 17485
9475 9031 12201 9651 9107 9651 9181 9343
85818 79493 76724 86075 89014 87814 83772 88876

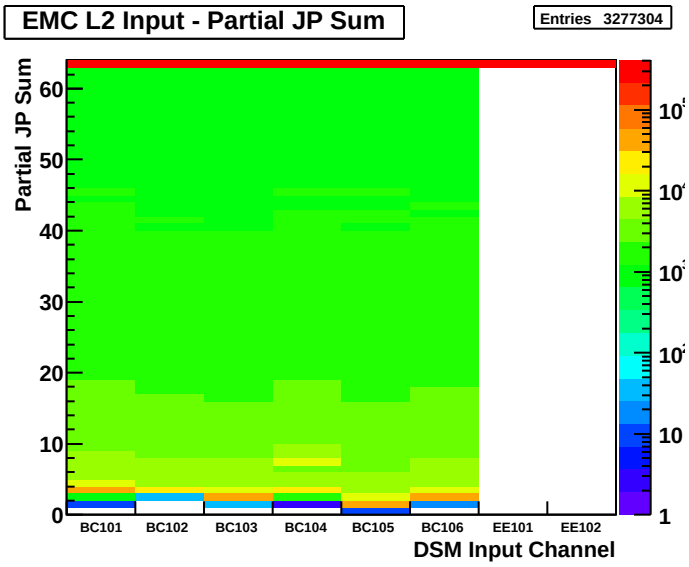

EMC L2 Input - JPX/JPA bits
Entries 77157
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
11300 11550
27217 27080

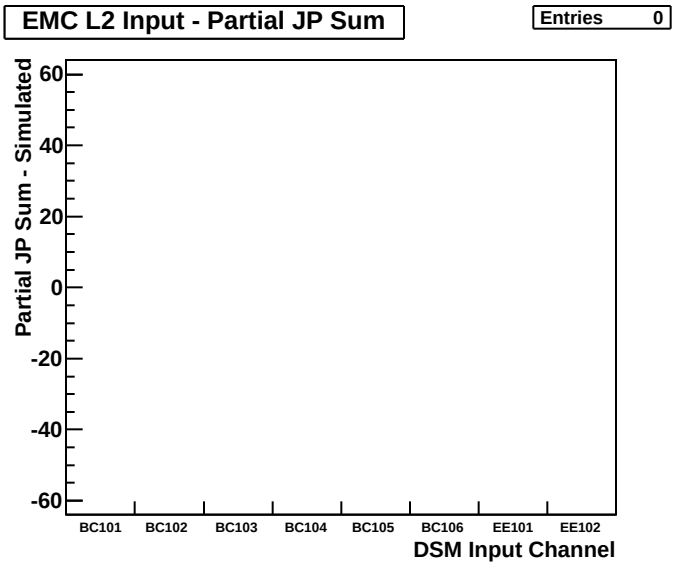

EMC L2 Input - JPY/JPB bits
Entries 3277304
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
295571 299640 289018 294876 292496 292957 293431 300868
18263 17607 18393 18004 17905 18560 17283 17743
9661 9373 9537 9438 9269 9850 9414 9342
86168 83043 92715 87345 89993 88296 89535 81710

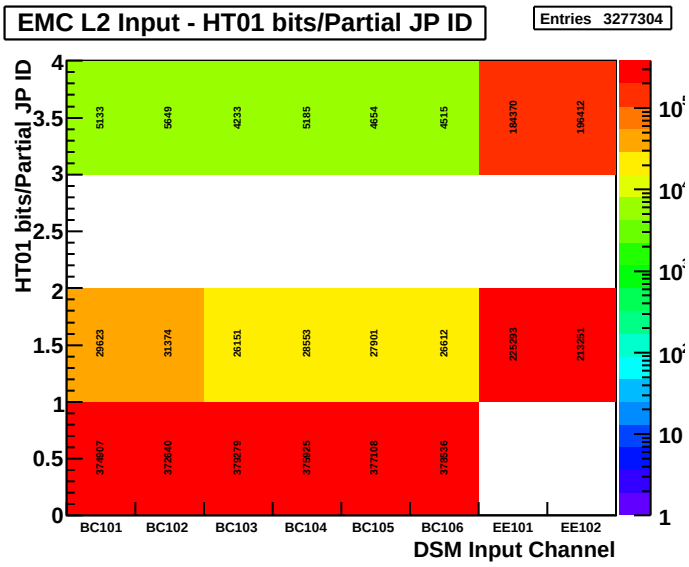

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

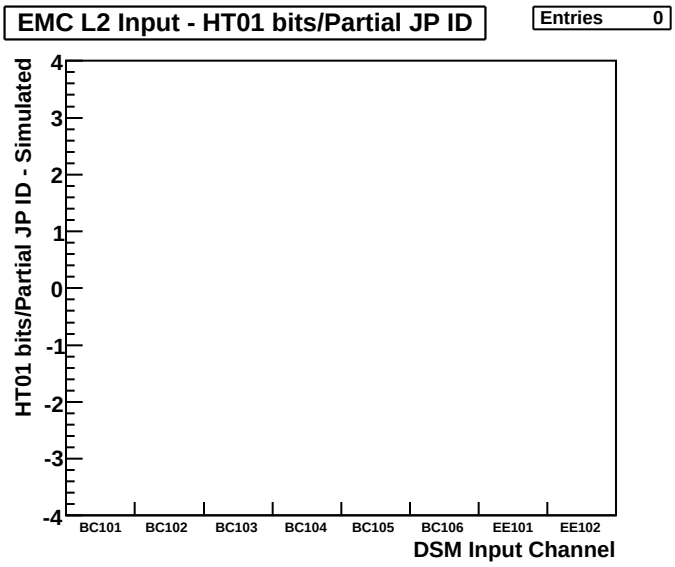

EMC L2 Input - JPZ/JPC bits
Entries 3277304
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
294848 297108 290338 292282 289789 290124 409663 409663
18337 18212 17730 18051 17263 18069
9704 9611 9385 9562 8884 9388
86774 84732 92210 83758 94727 92082

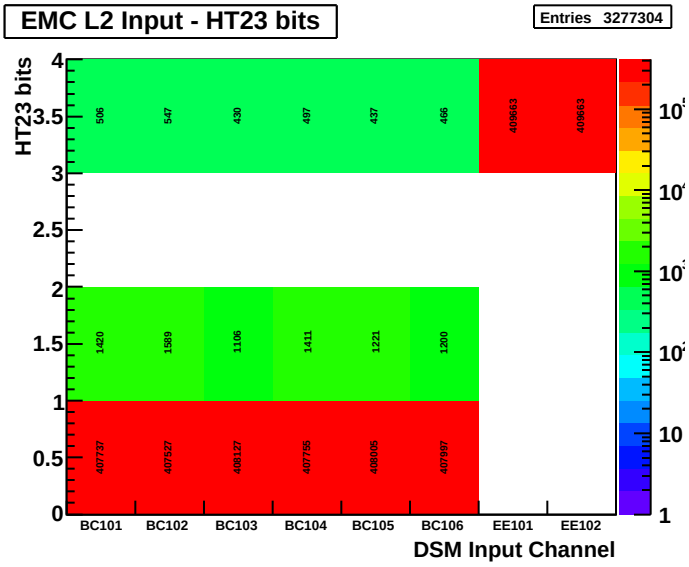

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

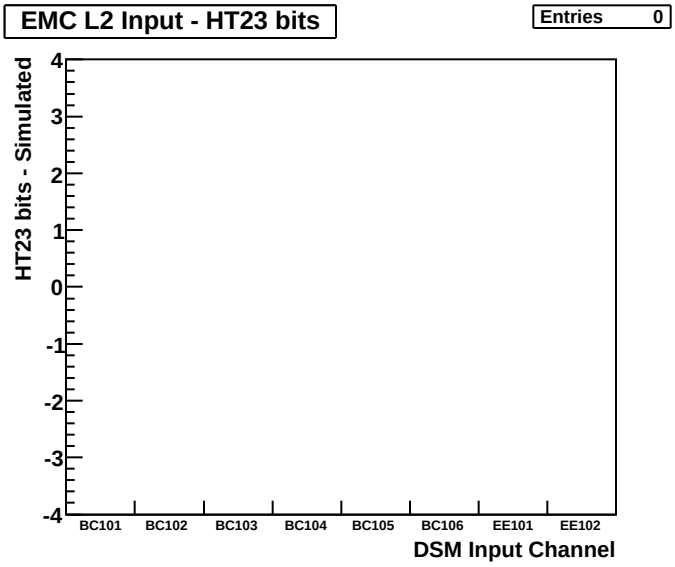

EMC L2 Input - Partial JP Sum
Entries 3277304
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

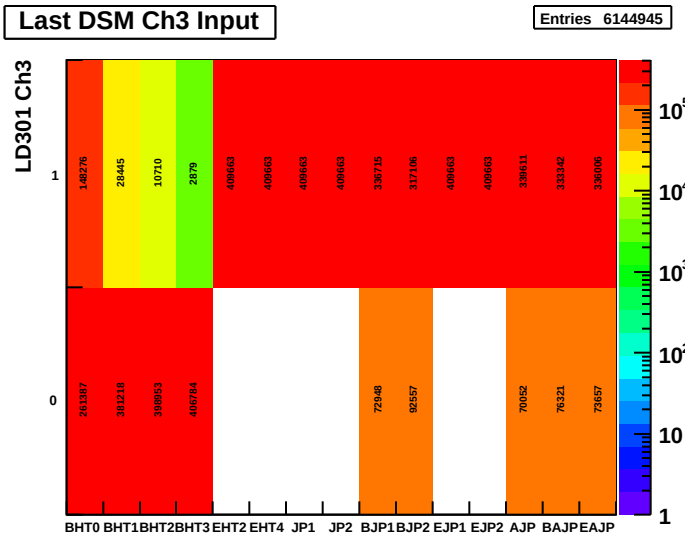

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

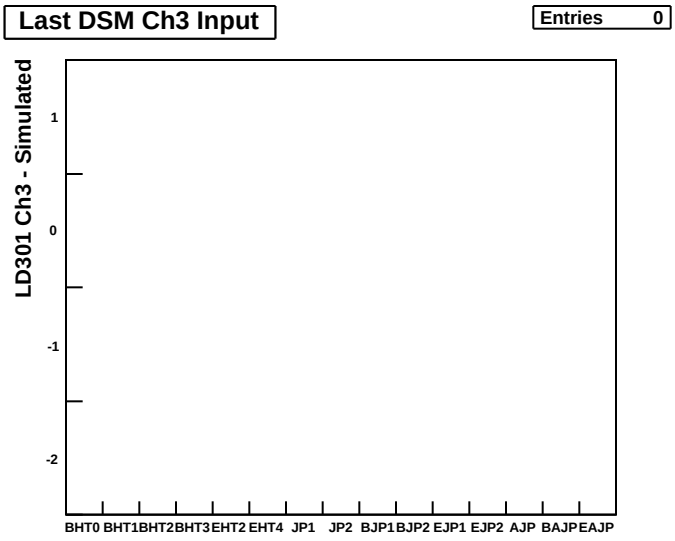

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3277304
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

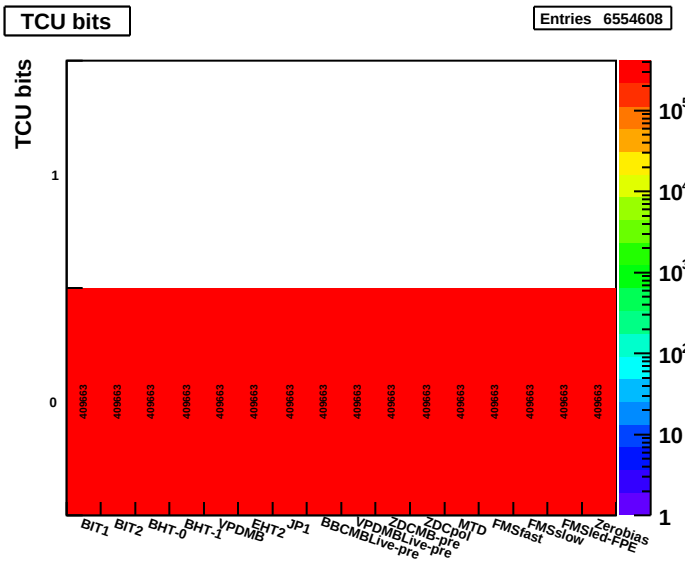

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

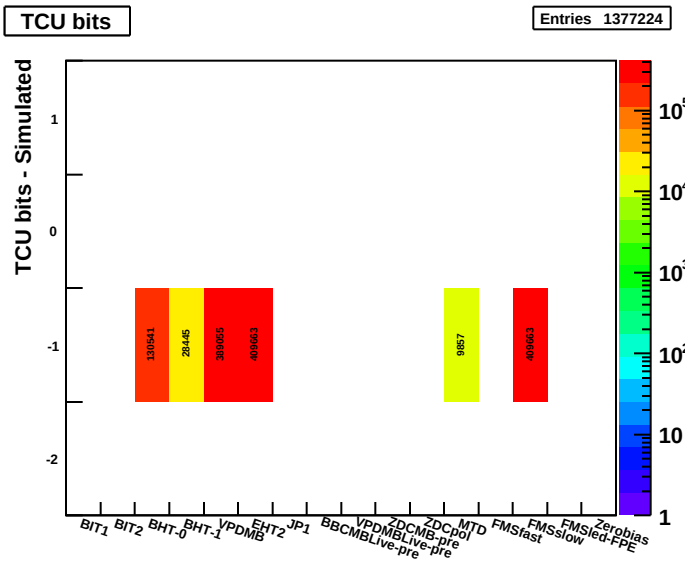

EMC L2 Input - HT23 bits
Entries 3277304
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

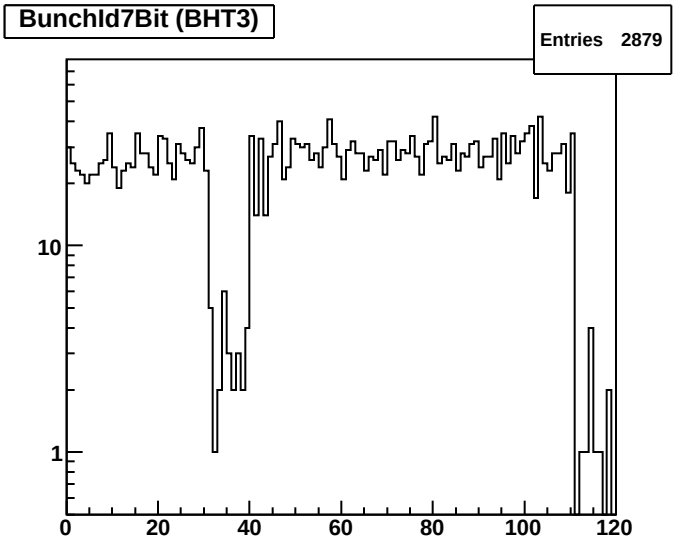

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

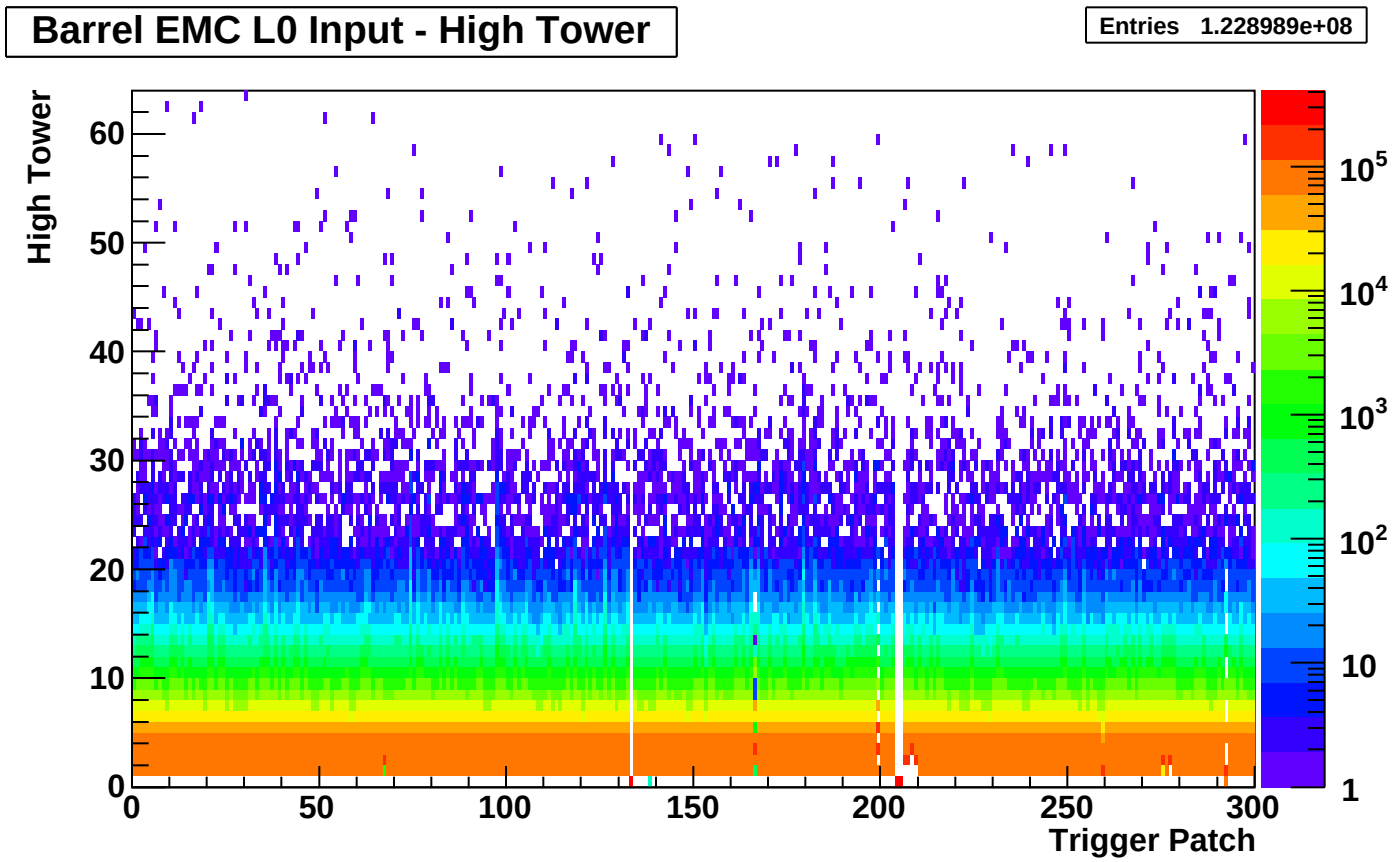

Last DSM Ch3 Input
Entries 6144945
LD301 Ch3
1
0
148276
28445
10710
2879
409663
409663
409663
409663
336715
317106
409663
409663
339611
333342
336006
261387
381218
398953
406784
72948
92557
70052
76321
73657
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP
1

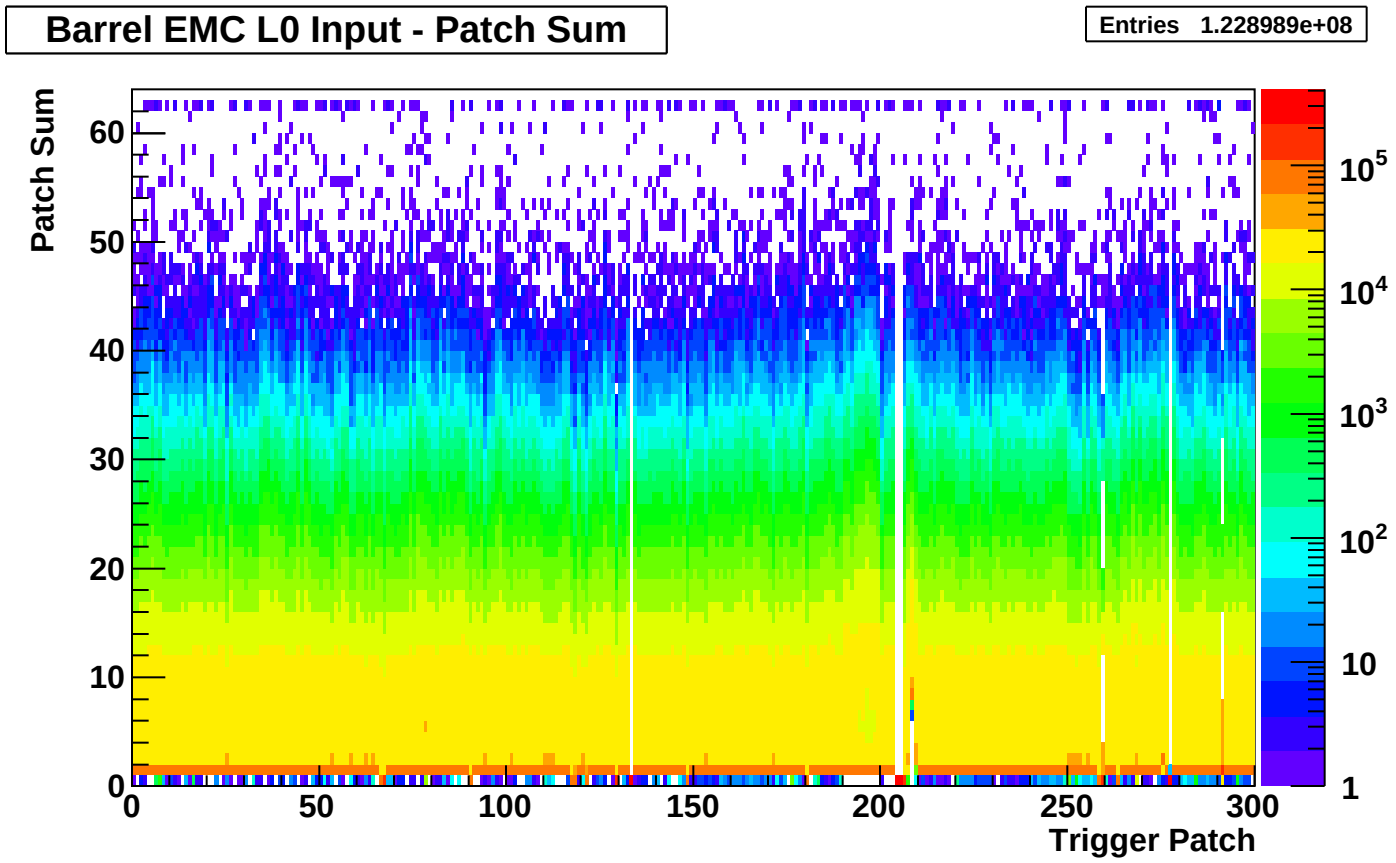

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
1
0
-1
-2
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

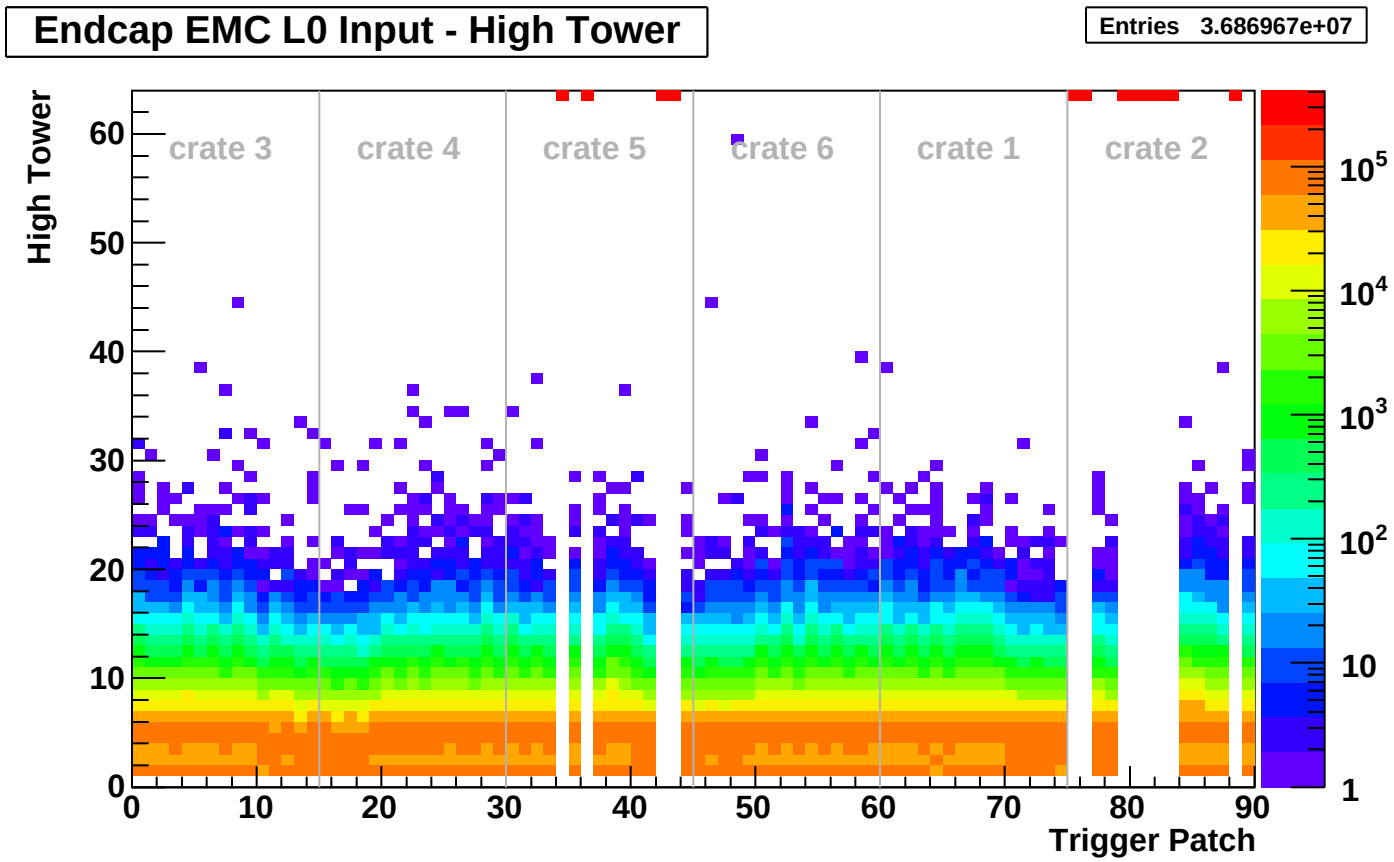

TCU bits
Entries 6554608
TCU bits
1
0
409663
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
1

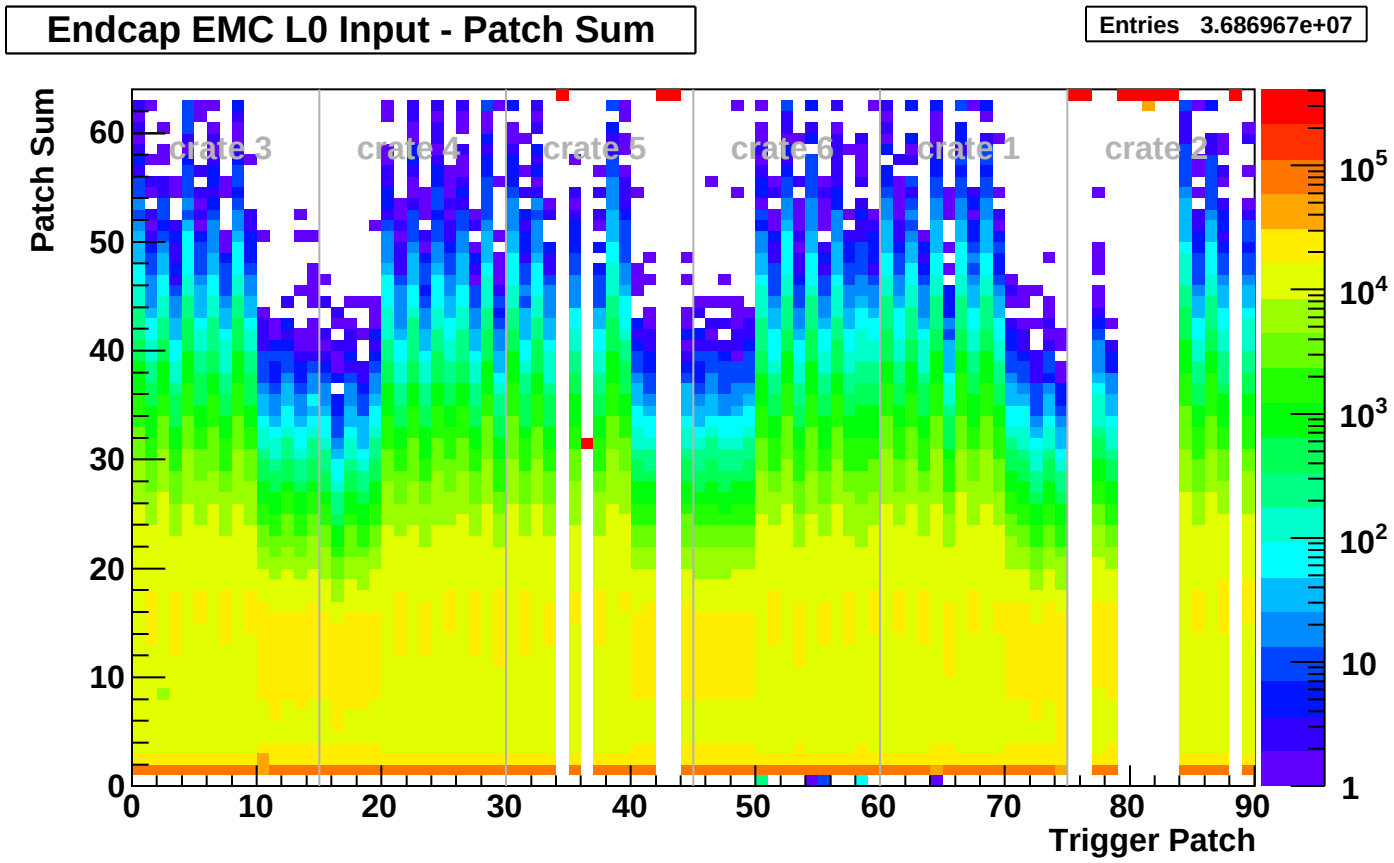

TCU bits
Entries 1377224
TCU bits - Simulated
1
0
-1
-2
130541
28445
389055
409663
9857
409663
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
1

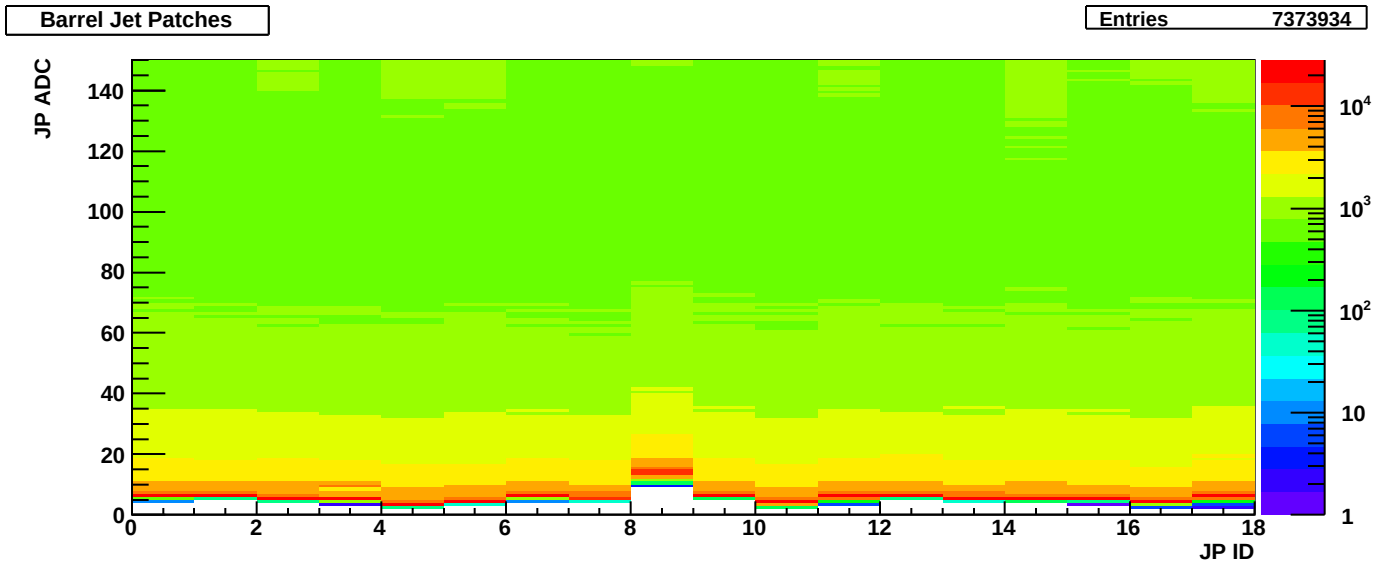

BunchId7Bit (BHT3)
Entries 2879
10
1
0
20
40
60
80
100
120

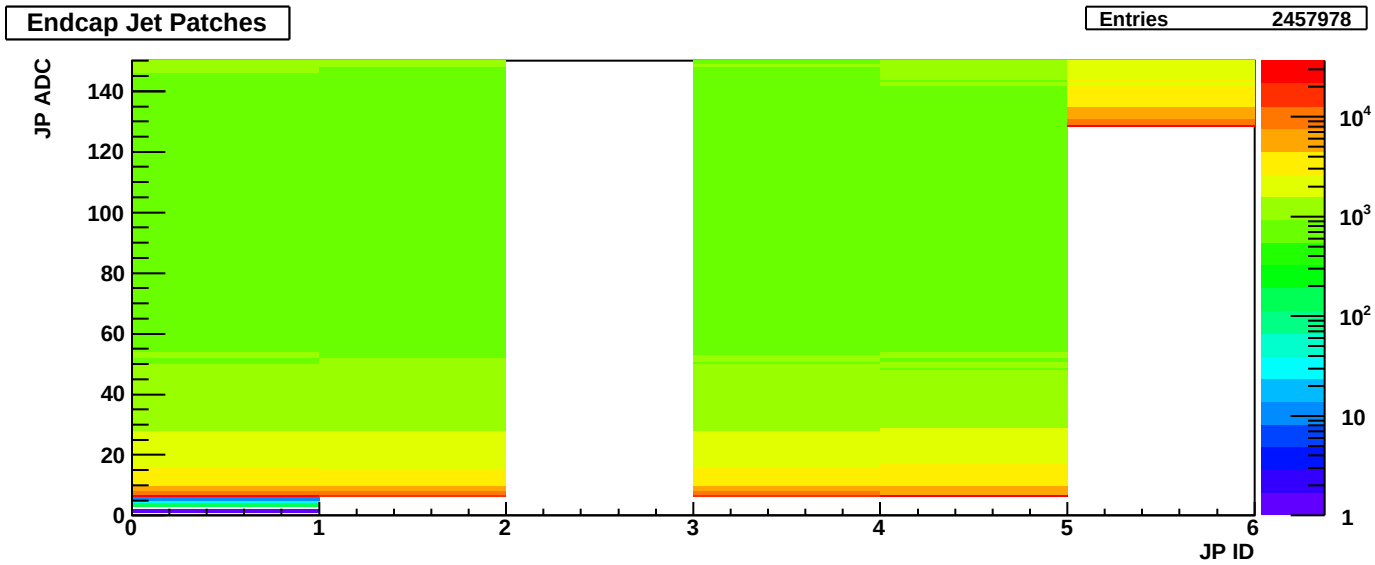

Barrel EMC L0 Input - High Tower
Entries 1.228989e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

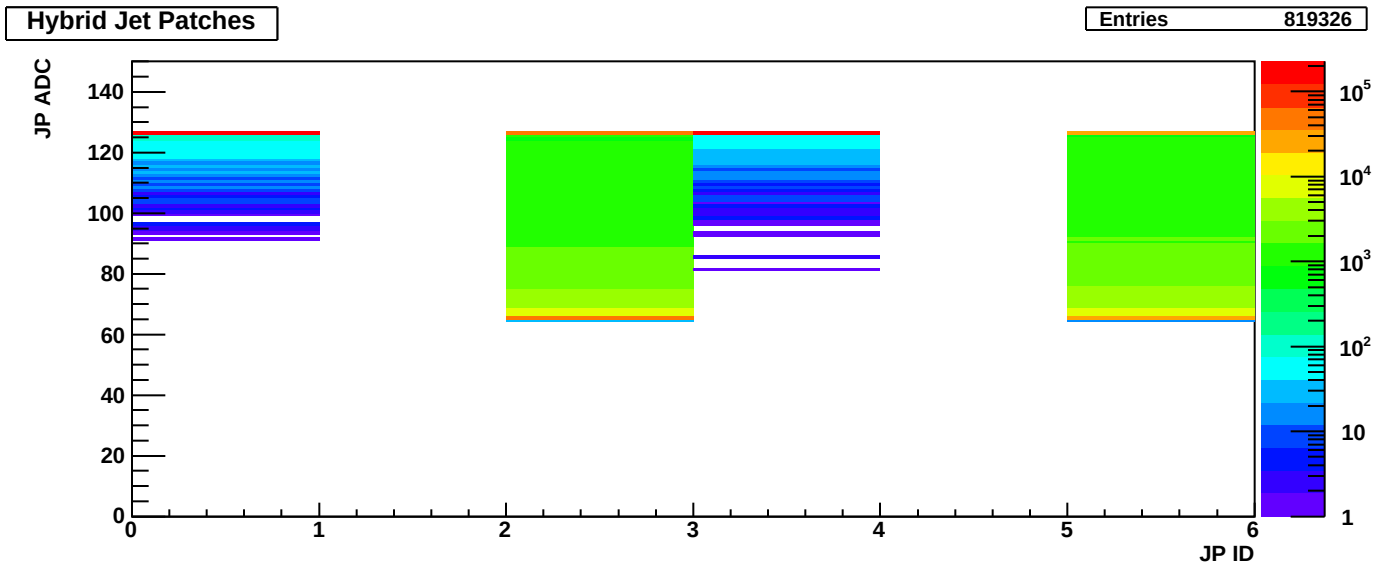

Barrel EMC L0 Input - Patch Sum
Entries 1.228989e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

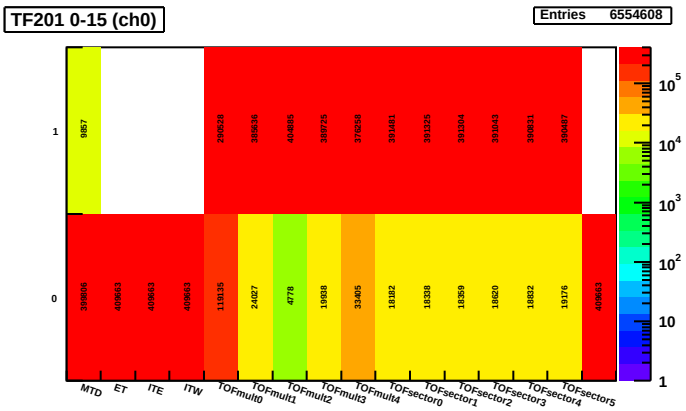

Endcap EMC L0 Input - High Tower
Entries 3.686967e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

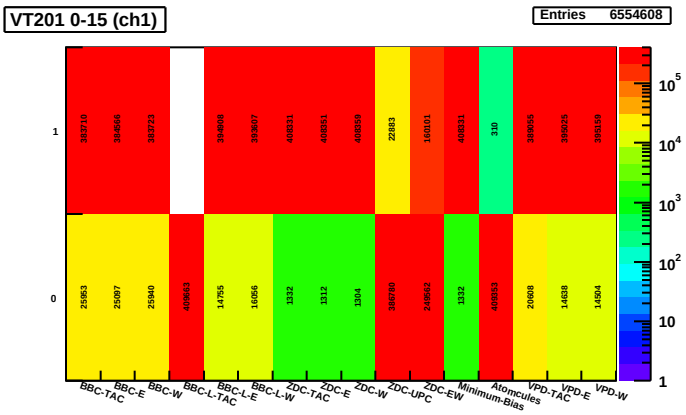

Endcap EMC L0 Input - Patch Sum
Entries 3.686967e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

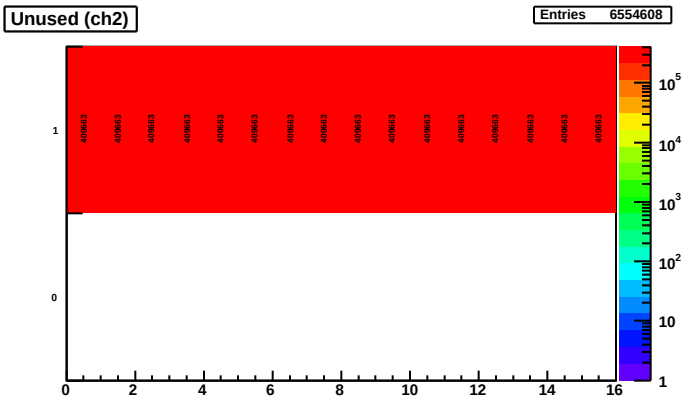

Barrel Jet Patches
Entries 7373934
JP ADC
JP ID

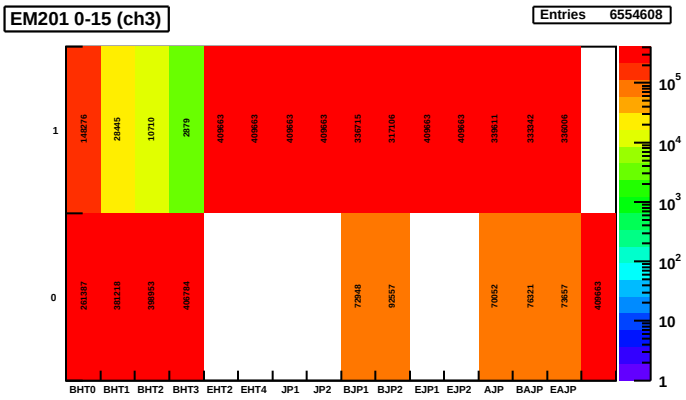

Endcap Jet Patches
Entries 2457978
JP ADC
JP ID

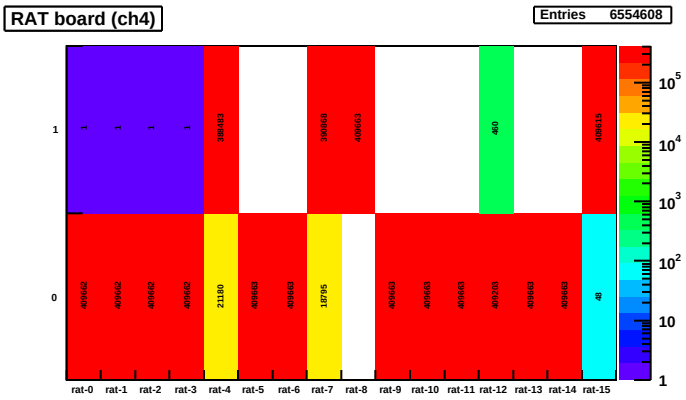

Hybrid Jet Patches
Entries 819326
JP ADC
JP ID

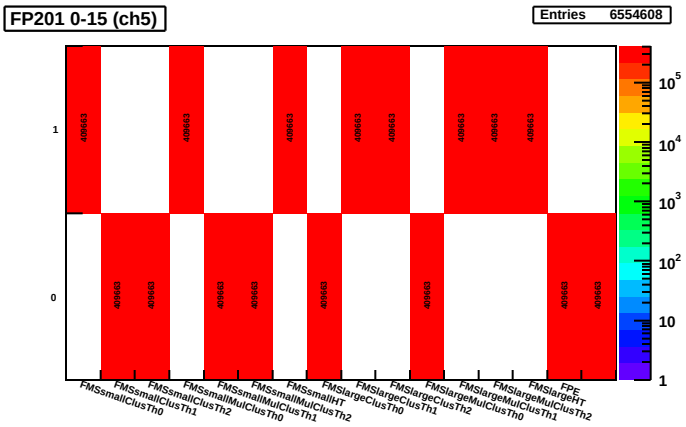

TF201 0-15 (ch0)
Entries 6554608
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

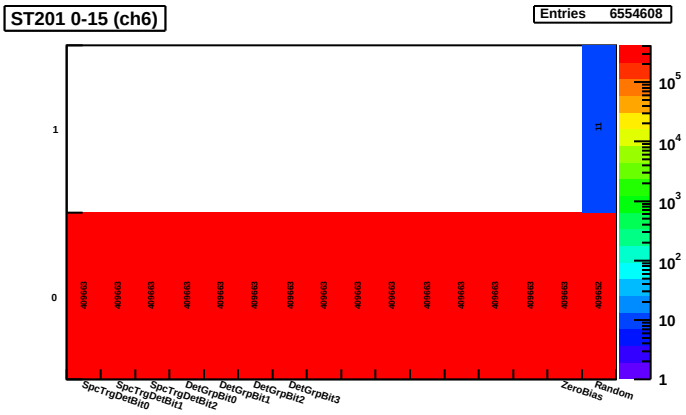

VT201 0-15 (ch1)
Entries 6554608
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

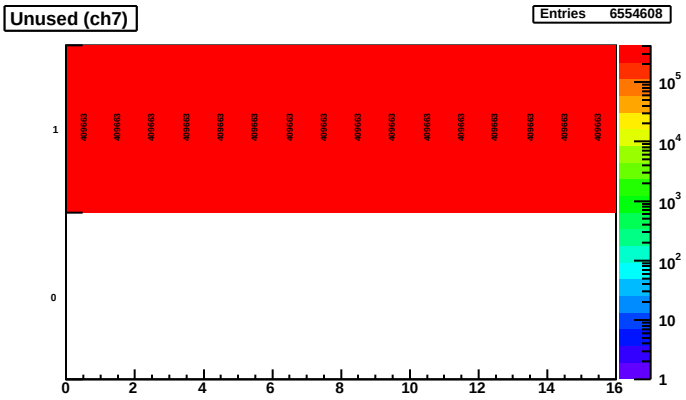

Unused (ch2)
Entries 6554608

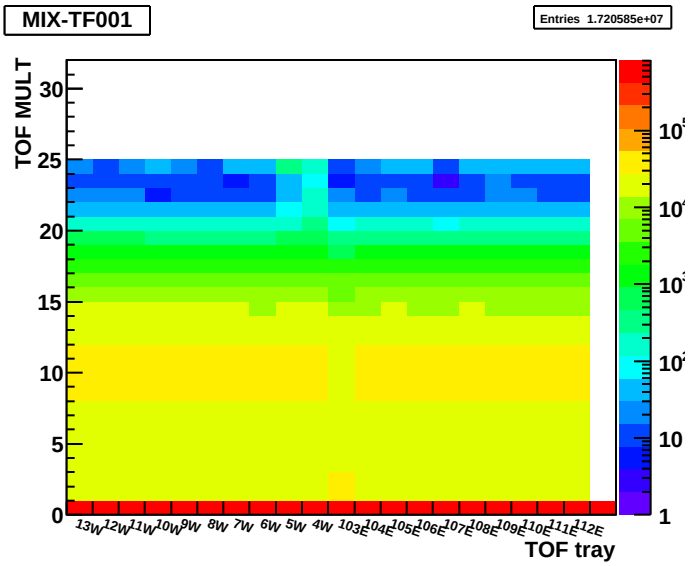

EM201 0-15 (ch3)
Entries 6554608
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

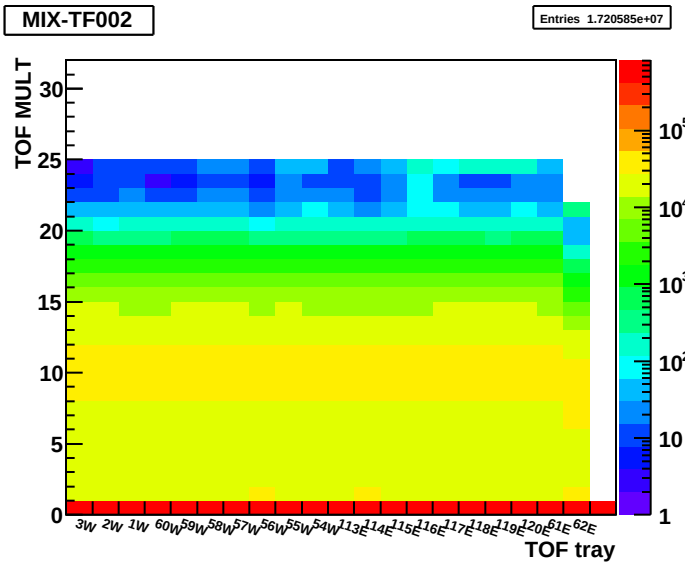

RAT board (ch4)
Entries 6554608
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

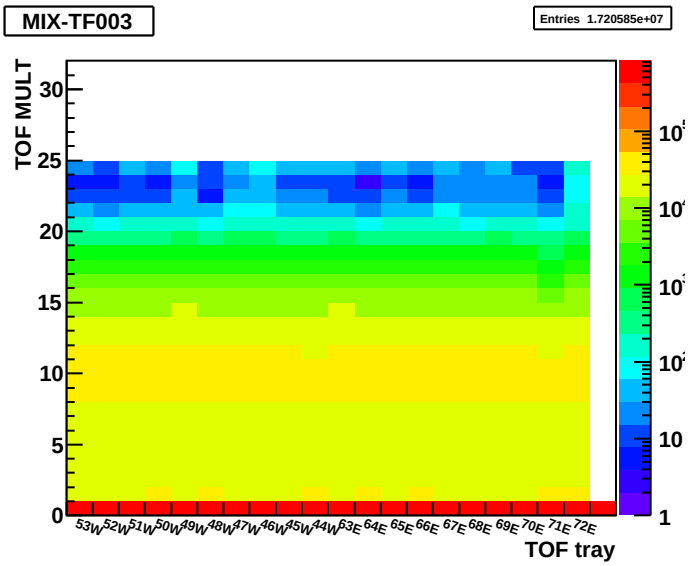

FP201 0-15 (ch5)
Entries 6554608
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

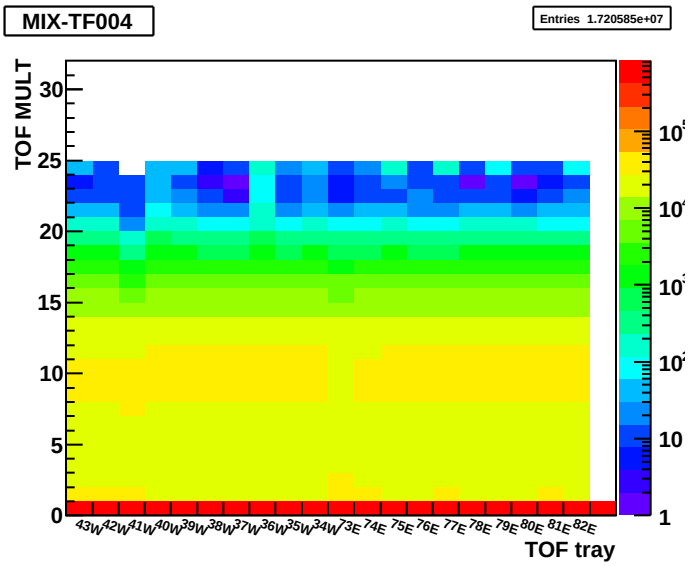

ST201 0-15 (ch6)
Entries 6554608
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

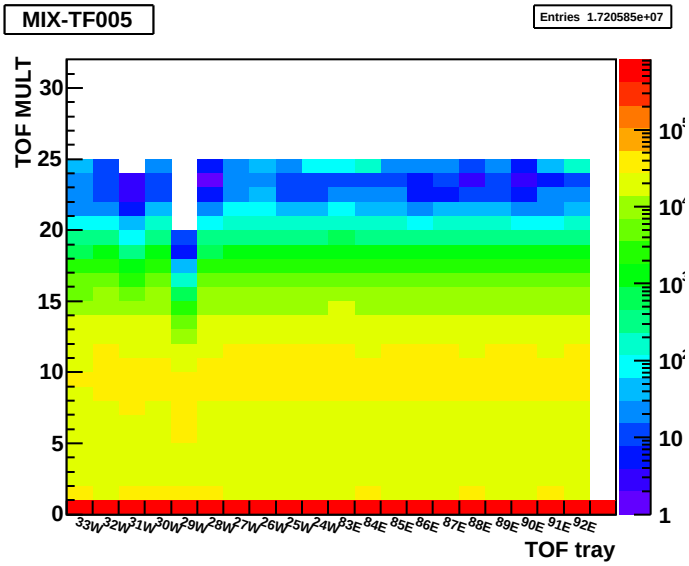

Unused (ch7)
Entries 6554608

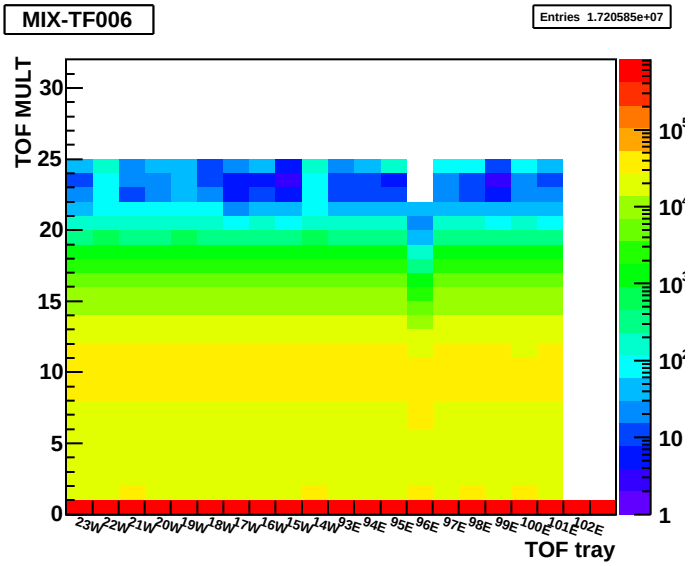

MIX-TF001
Entries 1.720585e+07
TOF MULT
TOF tray

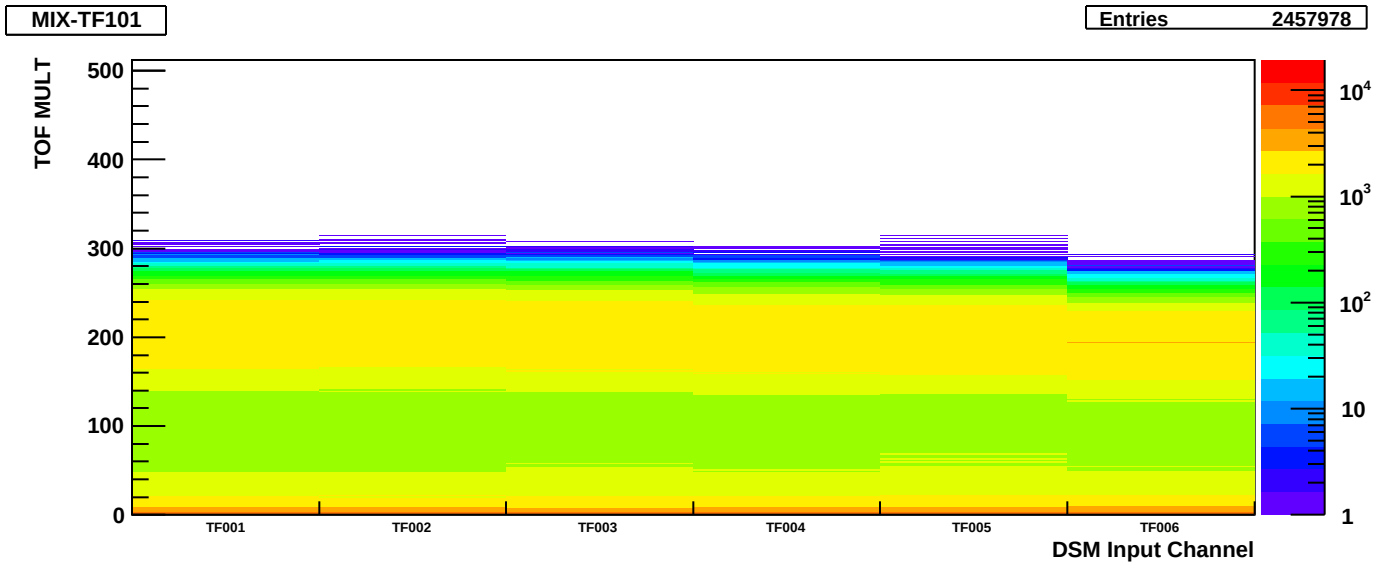

MIX-TF002
Entries 1.720585e+07
TOF MULT
TOF tray

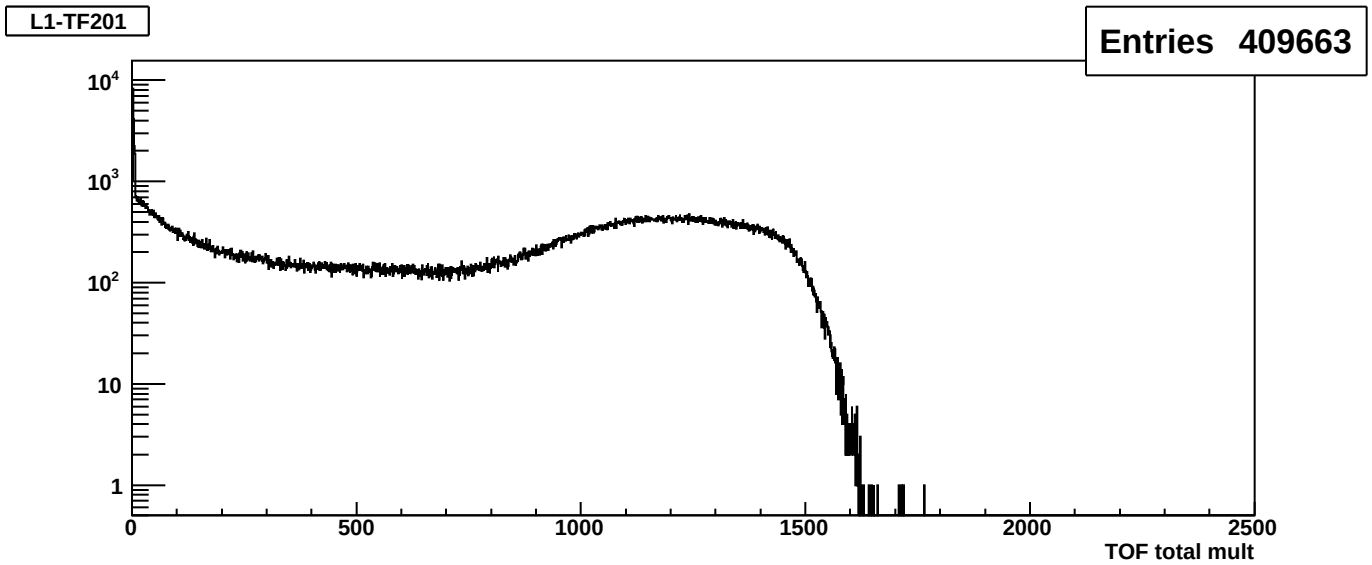

MIX-TF003
Entries 1.720585e+07
TOF MULT
TOF tray

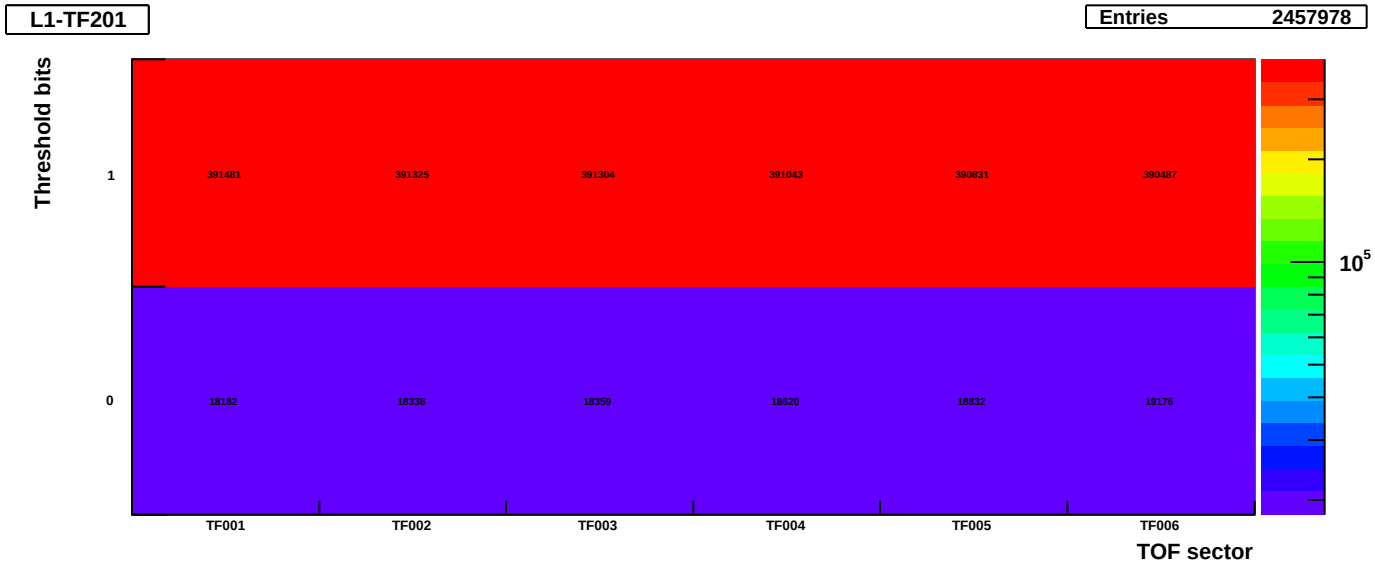

MIX-TF004
Entries 1.720585e+07
TOF MULT
TOF tray

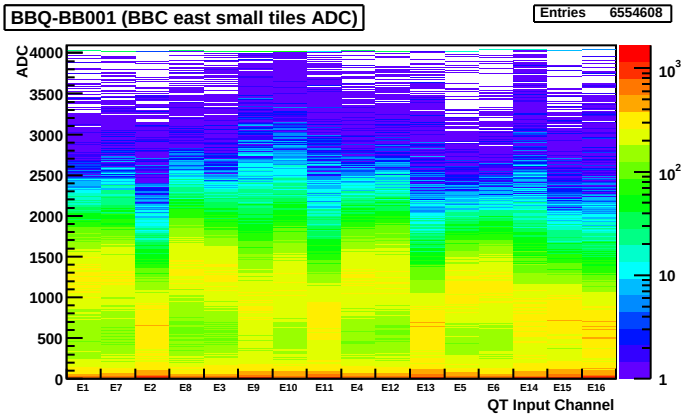

MIX-TF005
Entries 1.720585e+07
TOF MULT
TOF tray

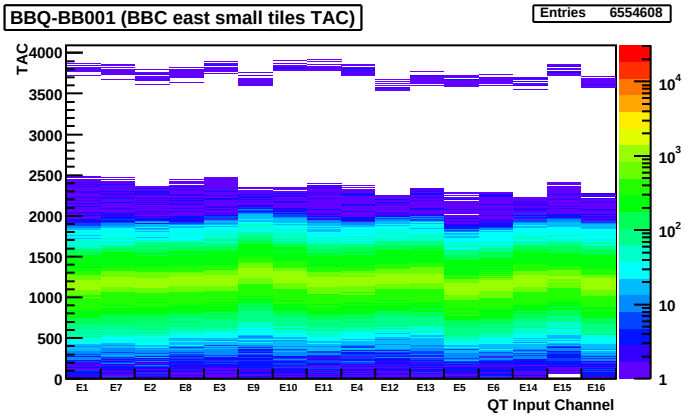

MIX-TF006
Entries 1.720585e+07
TOF MULT
TOF tray

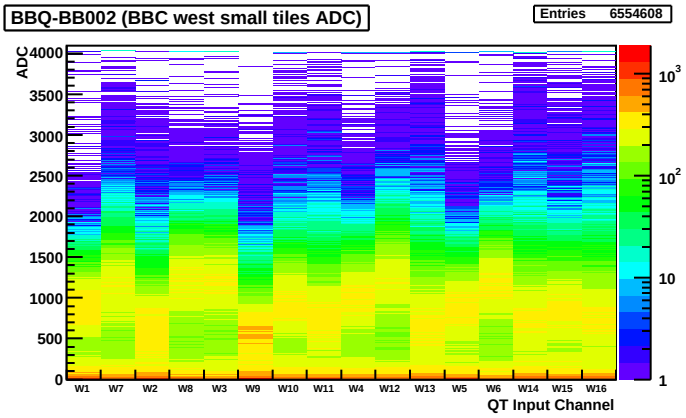

MIX-TF101
Entries 2457978
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

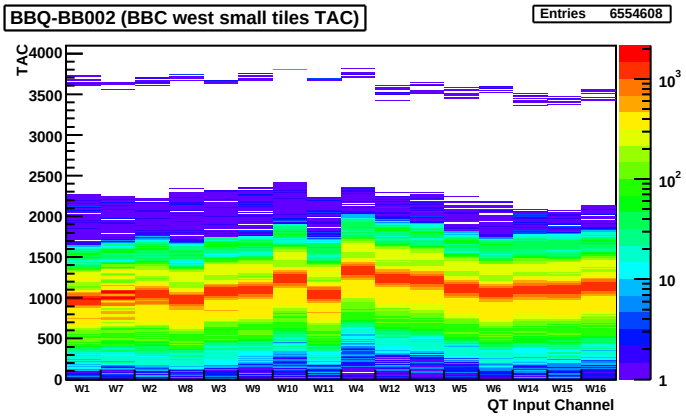

L1-TF201
Entries 409663
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

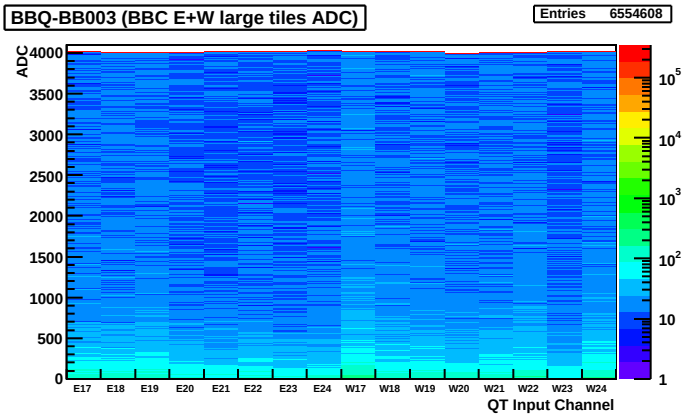

L1-TF201
Entries 2457978
Threshold bits
1
0
391481
391325
391304
391043
390831
390487
18182
18338
18359
18620
18832
19176
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

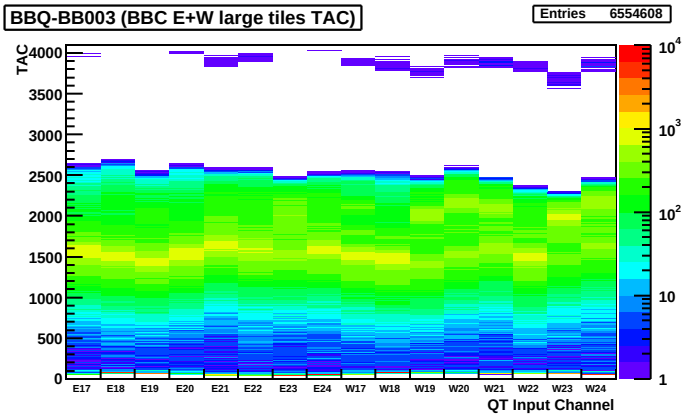

BBQ-BB001 (BBC east small tiles ADC)
Entries 6554608
ADC
QT Input Channel

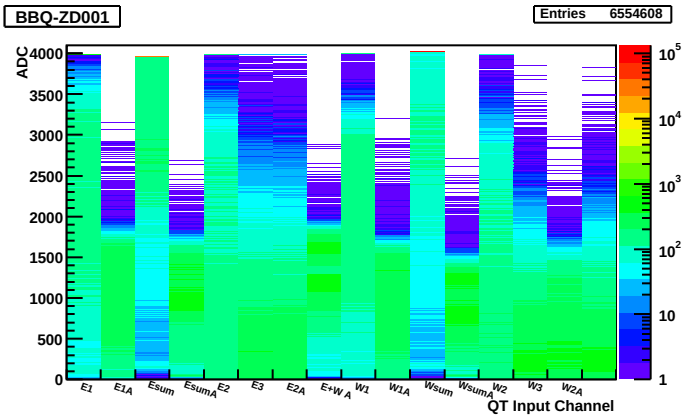

BBQ-BB001 (BBC east small tiles TAC)
Entries 6554608
TAC
QT Input Channel

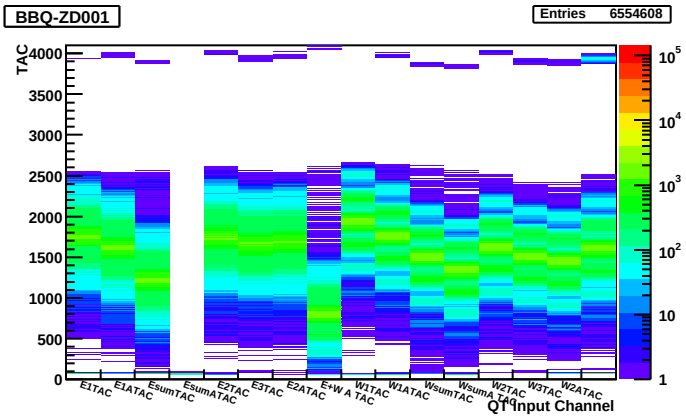

BBQ-BB002 (BBC west small tiles ADC)
Entries 6554608
ADC
QT Input Channel

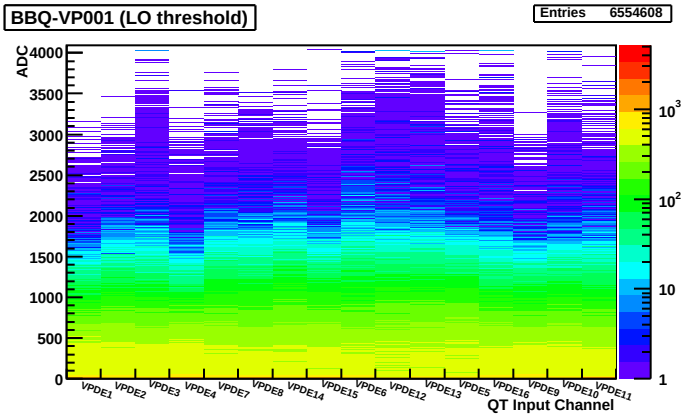

BBQ-BB002 (BBC west small tiles TAC)
Entries 6554608
TAC
QT Input Channel

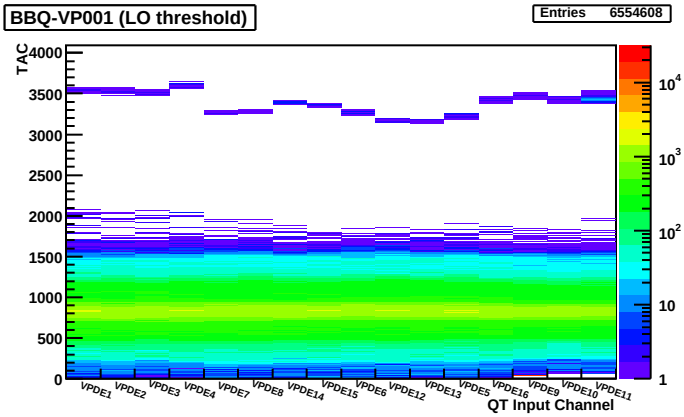

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6554608
ADC
QT Input Channel

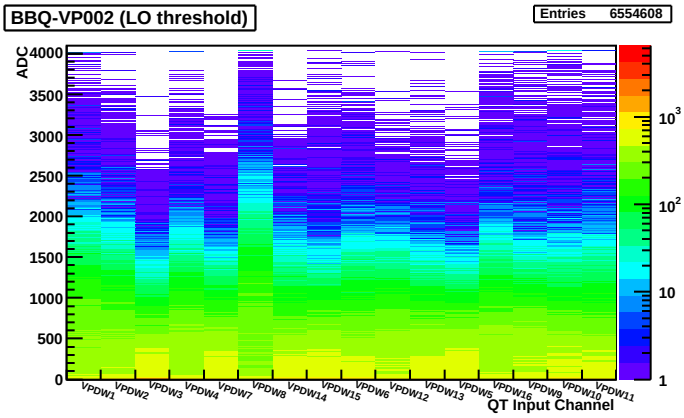

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6554608
TAC
QT Input Channel

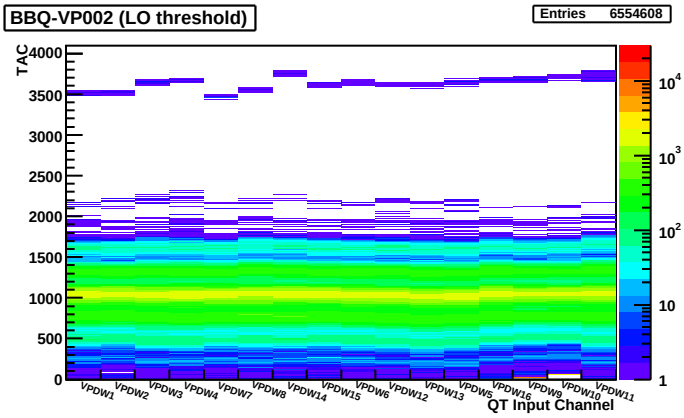

BBQ-ZD001
Entries 6554608
ADC
QT Input Channel

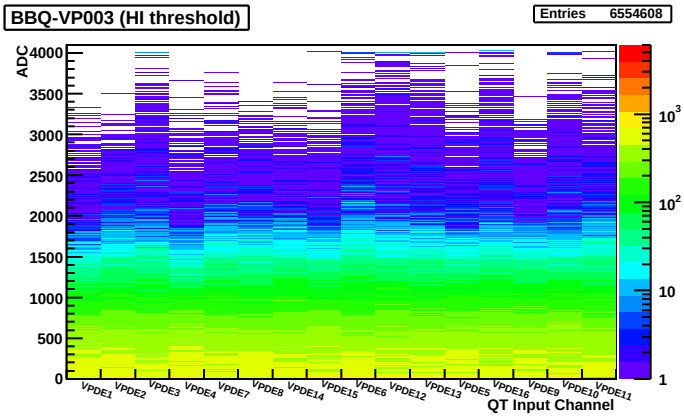

BBQ-ZD001
Entries 6554608
TAC
QT Input Channel

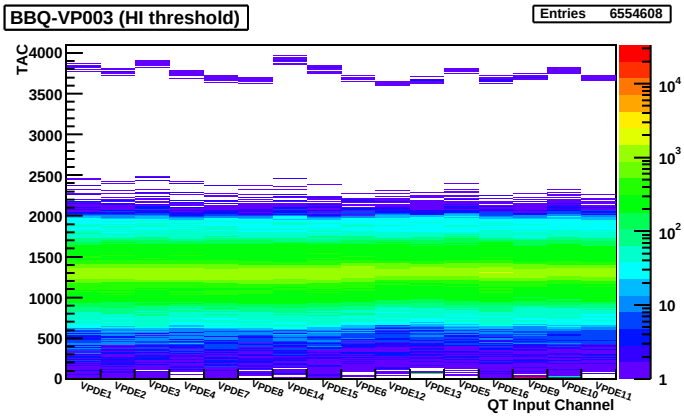

BBQ-VP001 (LO threshold)
Entries 6554608
ADC
QT Input Channel

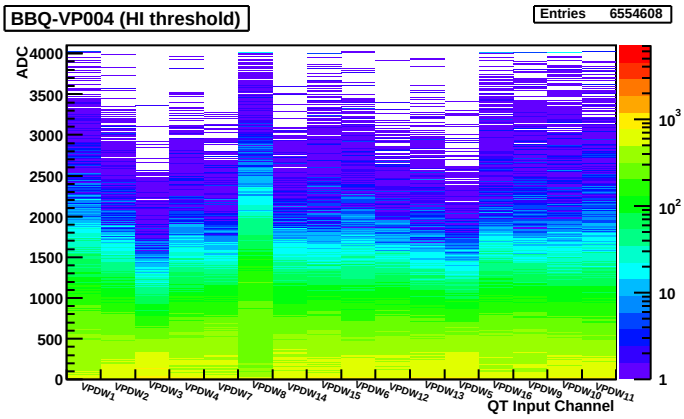

BBQ-VP001 (LO threshold)
Entries 6554608
TAC
QT Input Channel

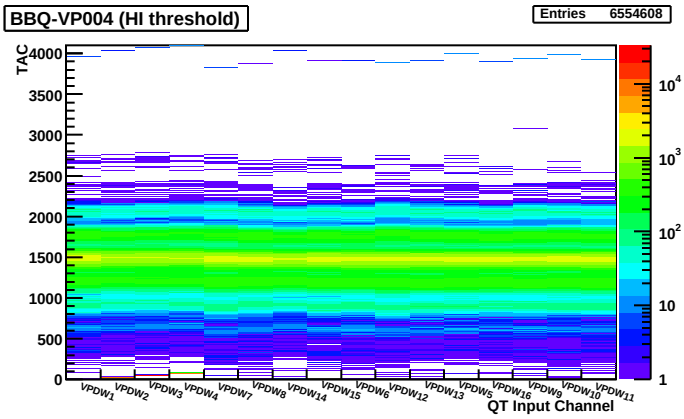

BBQ-VP002 (LO threshold)
Entries 6554608
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6554608
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6554608
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6554608
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6554608
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6554608
TAC
QT Input Channel